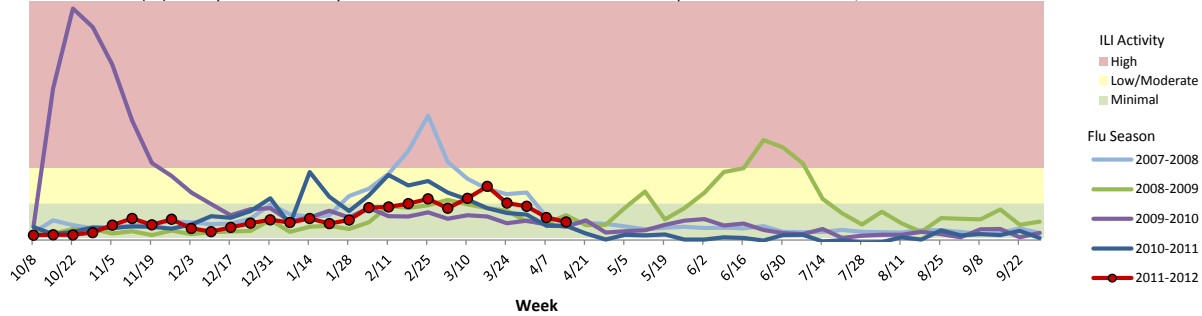


Influenza-like Illness Activity

Weekly Influenza-like Illness Activity

Influenza-like illness (ILI) activity as measured by the number of standard deviations from the epidemic threshold - Utah, 2011-2012



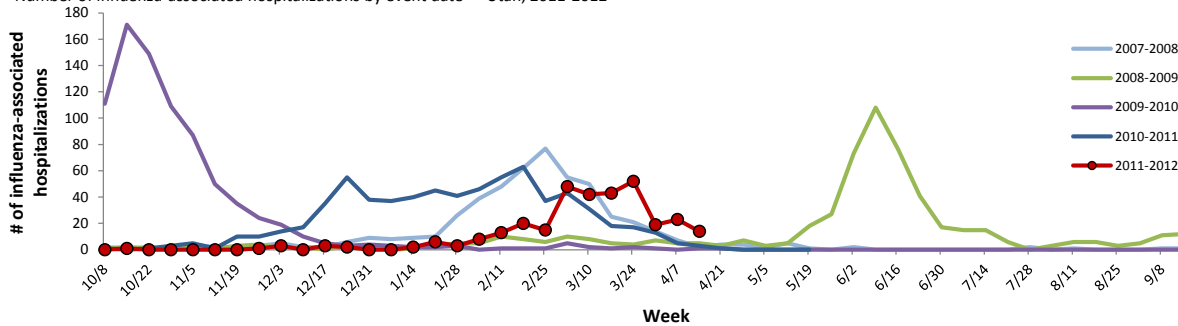
Influenza-like Illness (ILI) Activity Levels by Health District - Utah

Health District	ILI Activity
Bear River	Minimal
Central	Minimal
Davis	Minimal
Salt Lake	Minimal
Southwest	Minimal
Summit	Minimal
Tooele	Minimal
TriCounty	Minimal
Utah	Low/Moderate
Wasatch	Minimal
Weber-Morgan	Minimal
State	Minimal

Severity Measures

Influenza-associated Hospitalizations

Number of influenza-associated hospitalizations by event date* - Utah, 2011-2012



*Event date is calculated based on a hierarchy of dates: 1. onset date 2. specimen collection date 3. date reported to public health.

Summary Data for Influenza-associated Hospitalizations, 2011-2012 Season to Date

Variable		Number of cases	% of IAH cases	% in Utah pop	p value*
Sex	Male	178	56.0%	50.3%	0.0431
	Female	139	43.7%	49.7%	0.0327
	Unknown	1	0.3%	NA	--
Race	White, Not Hispanic	235	73.9%	82.0%	0.0002
	Hispanic	49	15.4%	11.6%	0.0332
	Native Hawaiian/Pacific Islander	20	6.3%	0.7%	<0.0001
	Black/African American	5	1.6%	0.9%	0.2355
	American Indian	2	0.6%	1.1%	0.3963
	Asian	7	2.2%	1.9%	0.6617
	Unknown	0	0.0%	NA	--

*If a p value is ≤ 0.05 , there is a significant difference between the percentage seen in IAH and the general Utah population.

Severity Measures, cont.

Cases of Influenza-associated Hospitalizations by Age Group, Utah, 2011-2012

Age Group	Total Cases Season to Date	Percent of Cases	Cases/ 100,000 Population	New Cases in Past Week
0-4 years	75	23.6%	27.7	2
5-24 years	50	15.7%	5.3	4
25-49 years	72	22.6%	7.3	3
50-64 years	56	17.6%	14.0	2
65+ years	65	20.4%	26.3	3
Total	318	100%	11.1	14

Influenza-associated Hospitalizations by Health District, 2011-2012 Season to Date

Health District	Total Hospitalizations
Bear River	8
Central	26
Davis	22
Salt Lake	183
Southeastern	1
Southwest	21
Summit	5
Tooele	1
TriCounty	0
Utah	28
Wasatch	0
Weber-Morgan	23

Summary Data for Influenza-associated Hospitalizations, 2011-2012 Season to Date

Variable	Yes		No		Unknown	
	Number of Cases	% of cases	Number of Cases	% of cases	Number of Cases	% of cases
ICU	53	16.7%	237	74.5%	28	8.8%
Ventilator	19	6.0%	267	84.0%	32	10.1%
Died	7	2.2%	285	89.6%	26	8.2%
Neurological Symptoms	37	11.6%	254	79.9%	27	8.5%
Healthcare Worker	3	0.9%	236	74.2%	79	24.8%
Pregnant	12	3.8%	297	93.4%	9	2.8%
Heart Disorder	58	18.2%	233	73.3%	27	8.5%
Blood Disorder	7	2.2%	278	87.4%	33	10.4%
Kidney Disorder	24	7.5%	270	84.9%	24	7.5%
Metabolic Disorder	60	18.9%	231	72.6%	27	8.5%
Chronic Respiratory Disorder	116	36.5%	175	55.0%	27	8.5%
Immunosuppressed	25	7.9%	265	83.3%	28	8.8%
Neurological Disorder	37	11.6%	254	79.9%	27	8.5%
Seizure Disorder	12	3.8%	277	87.1%	29	9.1%
Bacterial Co-infection	9	2.8%	279	87.7%	30	9.4%
Obese**	58	29.0%	53	26.5%	89	44.5%
Morbidly Obese**	15	7.5%	96	48.0%	89	44.5%
Risk Factor***	278	87.4%	40	12.6%	0	0.0%
Vaccinated	88	27.7%	146	45.9%	84	26.4%

**Obesity and morbid obesity is not considered for individuals under 18 years or pregnant women. Thus total counts will not equal the total number of influenza-associated hospitalizations

***Risk factors for influenza include: persons < 5 years, persons ≥ 65 years, pregnant women, and persons with a chronic medical condition.

Case Counts of Influenza-associated Hospitalizations, Utah, 2011-2012

Case Status	Current Week	Current Week % of Cases	Season Total	Season % of Cases
Confirmed*	13	92.9%	296	93.1%
Probable**	1	7.1%	22	6.9%
Total	14	100.0%	318	100.0%

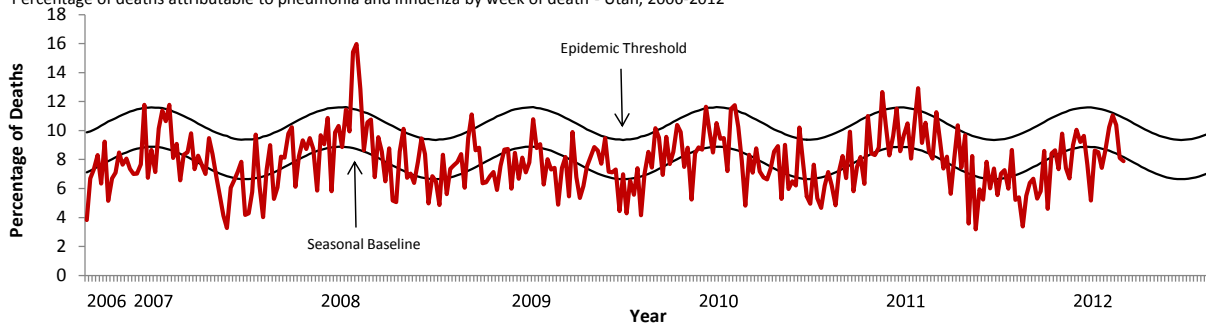
*Confirmed= hospitalized with serology, DFA, PCR, or culture positive influenza test

**Probable= hospitalized with a positive rapid test

Pneumonia and Influenza Deaths

Pneumonia and Influenza Deaths

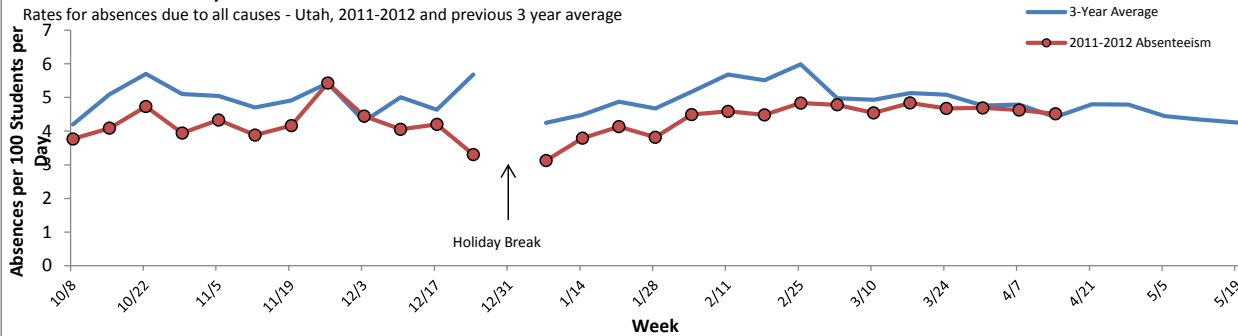
Percentage of deaths attributable to pneumonia and influenza by week of death - Utah, 2006-2012



School Absenteeism

Student Absenteeism by Week

Rates for absences due to all causes - Utah, 2011-2012 and previous 3 year average



Weekly Student Absenteeism - Utah, 2011-2012

Health District	All absences per 100 students/day
Bear River	3.6
Central	3.3
Davis	3.8
Salt Lake	4.3
Southeast	5.3
Southwest	5.5
Summit	0.0
Tooele	6.0
TriCounty	4.4
Utah	1.4
Wasatch	0.1
Weber-Morgan	5.9
State	4.6

Virologic Data

Unified State Laboratory: Public Health Virologic Data

	Season to-date		Current MMWR week	
	Number	Percent	Number	Percent
Specimens tested	1,434	--	87	--
Positive specimens	1,012	70.6%	66	75.9%
Positive Specimens by Type/Subtype				
Influenza A	1,001	98.9%	64	97.0%
A (2009 H1N1)	655	65.4%	28	43.8%
A (H1)	0	0.0%	0	0.0%
A (H3)	346	34.6%	36	56.3%
A (subtyping not performed)	0	0.0%	0	0.0%
A (unable to subtype)	0	0.0%	0	0.0%
Influenza B	11	1.1%	2	3.0%

Influenza Positive Tests

Influenza positive specimens tested by Unified State Laboratory: Public Health (USLPH) - Utah, 2011-2012

